Listing of Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Claim 1 (previously amended): A method for accelerating the clearance of hemorrhagic blood from the vitreous humor of a mammalian eye, comprising the step of injecting into the vitreous humor a solution which contains hyaluronidase from *Streptomyces hyalurolyticus* to provide a dose having a hyaluronidase activity of at least about 10 Turbidity Reducing Units (TRU) of said hyaluronidase, said solution being essentially free of contaminating protease.

Claim 2 (canceled)

Claim 3 (currently amended): ~~The method of claim 2,~~ A method of treating eye disorders comprising the step of applying essentially protease-free hyaluronidase from *Streptomyces hyalurolyticus* to the eye, wherein said hyaluronidase is dissolved in a saline solution, and wherein said treating of said eye disorders is the clearing of hemorrhagic blood from the vitreous humor of a mammalian eye ~~by using essentially protease-free hyaluronidase from *Streptomyces hyalurolyticus* the~~ using an amount of ~~the~~ hyaluronidase ~~being~~ sufficient to clear the blood.

Claim 4 (currently amended): ~~The method of claim 2,~~ A method of treating eye disorders comprising the step of applying essentially protease-free hyaluronidase from

Streptomyces hyalurolyticus to the eye, wherein said hyaluronidase is dissolved in a saline solution, and wherein said treating of an eye disorder is the softening the cornea of a mammalian eye prior to refractive correction by using ~~essentially protease-free hyaluronidase from *Streptomyces hyalurolyticus*, the~~ an amount of ~~the~~ hyaluronidase ~~being~~ sufficient to soften the cornea.

Claim 5 (currently amended): ~~The method of claim 2,~~ ~~The method of claim 2,~~ A method of treating eye disorders comprising the step of applying essentially protease-free hyaluronidase from *Streptomyces hyalurolyticus* to the eye, wherein said hyaluronidase is dissolved in a saline solution, and wherein said treating of an eye disorder is the spreading local anesthesia more effectively through ocular tissue prior to surgical interventions by using ~~essentially protease-free hyaluronidase from *Streptomyces hyalurolyticus* the~~ an amount of ~~the~~ hyaluronidase ~~being~~ sufficient to spread anesthesia.

Claim 6 (currently amended): ~~The method of claim 2,~~ A method of treating eye disorders comprising the step of applying essentially protease-free hyaluronidase from *Streptomyces hyalurolyticus* to the eye, wherein said hyaluronidase is dissolved in a saline solution, and wherein said treating of an eye disorder is the isolating of collagen to produce contact lenses by using hyaluronidase from *Streptomyces hyalurolyticus*.

Claim 7 (currently amended): ~~The method of claim 2,~~ A method of treating eye disorders comprising the step of applying essentially protease-free hyaluronidase from *Streptomyces hyalurolyticus* to the eye, wherein said hyaluronidase is dissolved in a

saline solution, and wherein said treating of an eye disorder is the stimulating ~~the~~ of flow of physiological fluids in the eye which comprises contacting a physiological fluid of the eye with ~~a~~ said hyaluroinidase ~~from *Streptomyces hyalurolyticus*, the~~ using an amount of ~~the~~ hyaluronidase ~~being~~ sufficient to stimulate the flow of said fluid.

Claim 8 (original): The method of claim 7 wherein the physiological fluid in the eye is contacted for the treatment of glaucoma, thrombosis, detached or impending detached retina, or for the non-surgical removal of obstructions.

Claim 9 (previously added): The method of claim 1, wherein said hyaluronidase activity is in the range of about 100-300 Turbidity Reducing Units (TRU) of said hyaluronidase.